

DOCKET FILE COPY
MAR 23 2000

OCT 7 - 1999
MAR 23 11 50 AM '00
RECEIVED IN
ALLOCATIONS
SIERRA GRANDE BROADCASTING
PO BOX 51
DES MOINES, NEW MEXICO 88418-0051

September 29, 1999

Federal Communications Commission
Washington, DC 20554

I hereby request that 47 CFR 73.202(b) be amended as follows:

Des Moines, New Mexico 287C

In preparing my engineering report I selected a point in the antenna farm on top of Sierra Grande. The site is owned by the State of New Mexico. I have been told that even though the State of New Mexico owns one FM translator through Eastern New Mexico University and one TV translator through The University of New Mexico on the mountain peak, they do not allow any high power stations on top of the mountain.

My logic would tell me that they would want me to build a tower on the peak and put the center of my high power radiation over any antenna that they receive with, since they would be in a node, instead of me building a tower on the side of Sierra Grande and put the full power of the weakened signal going right through their antenna.

As can be seen on my engineering spreadsheet, Center, Colorado petition to amend the table for 287A is only 230 km from my site. From 47 CFR 73.207(b)(1) we only need a separation of 226 km. Rifle, Colorado 287C is at $39^{\circ} 25' 57''$ N $108^{\circ} 7' 46''$ W, which is 257 km from the Center coordinates. The Center allocation could become a Class C3 allocation which requires a separation of 237 km from each site. Any upgrade of the Center 287A allocation would also be dependent on the Durango, Colorado 287A allocation.

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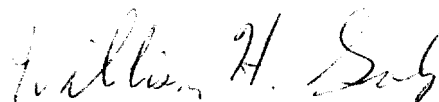
I request that RM9508 for Center, Colorado be modified to limit applications for construction permits for the allocation be limited to sites westerly of the Center, Colorado coordinates of $37^{\circ} 45' 00''$ N $106^{\circ} 06' 24''$ that is perpendicular of the line from Des Moines to Center. This will allow so room for me to secure a transmitter site on top of Sierra Grande. Sierra Grande is the only major mountain in the Des Moines area.

I would like to point out that I withdrew my petition for rule making for Des Moines 284C2 so that Mountain West Broadcasting could have Eagle Nest, New Mexico 284C2. Mountain West is the petitioner for RM^a508 at Center, Colorado.

If this allocation is approved, two translators in Raton, New Mexico would have to relocate. They are K288EO, Raton Arts and Humanities Council, and K284AC, Eastern New Mexico University. K285EN, Roy, New Mexico, Eastern New Mexico University, would need to be determined if they are protecting this allocation. The present site of K285EN is only 94 km away from the proposed site, and the maximum Class C contour is 92 km. Eastern New Mexico University would need to determine if K285EN's signal exceeds the 10 mV/m at the 1 mV/m contour, if this allocation is accepted and built. If a minimal Class C is built, K285EN would probably be allowed to remain. If I get on top of the mountain, I will be requesting maximum facilities.

If this petition to amend the FM table of allocations is approved I will be submitting an application for the construction permit for the allocation.

To the best of my knowledge the information contained in this petition is correct.



**Willison H. Gormly
Owner and Electrical Engineer**

City of License	Call Sign	Channel	Class	Latitude				Middle latitude		Longitude			
				Degrees	Minutes	Seconds	Decimal	Degrees	Radians	Degrees	Minutes	Seconds	Decimal
Co-channel													
Des Moines, New Mexico	Proposed station	287	C	36	42	20	36.706	36.7056	0.6406	103	52	20	103.872
Des Moines, New Mexico				36	45	48	36.763	36.7344	0.6411	103	50	24	103.84
Center, Colorado	RM9508	287	A	37	45	0	37.75	37.2278	0.6497	106	6	24	106.107
First adjacent channel													
Liberal, Kansas	KZQD	286	C2	37	2	53	37.048	36.8768	0.6436	100	54	34	100.909
Santa Fe, New Mexico	KCHQ	286	C	35	47	15	35.788	36.2465	0.6326	106	31	35	106.526
Security, Colorado	KSKX	288	C3	38	44	40	38.744	37.725	0.6584	104	51	41	104.861
Albuquerque, New Mexico	K288CX	288	D	35	13	2	35.217	35.9614	0.6276	106	27	6	106.452
Conchas Dam, New Mexico	K288EQ	288	D	35	16	11	35.27	35.9876	0.6281	104	13	19	104.222
Raton, New Mexico	K288EO	288	D	36	40	56	36.682	36.6939	0.6404	104	24	52	104.414
Taos, New Mexico	NEW-T	288	D	36	31	52	36.531	36.6183	0.6391	105	33	4	105.551
Second adjacent channel													
Canon City, Colorado	K285EE	285	D	38	25	20	38.422	37.5639	0.6556	105	9	5	105.151
Rye, Colorado	RM9445	285	A	37	55	18	37.922	37.3136	0.6512	104	55	48	104.93
Abiquiu, New Mexico	K285AD	285	D	36	10	52	36.181	36.4433	0.6361	106	20	28	106.341
Roy, New Mexico	K285EN	285	D	35	53	48	35.897	36.3011	0.6336	104	11	9	104.186
Canon City, Colorado	K289AH	289	D	38	27	8	38.452	37.5789	0.6559	105	14	56	105.249
Lamar, Colorado	KVAY	289	C1	38	6	44	38.112	37.4089	0.6529	102	57	37	102.96
Amarillo, Texas	KAEZ	289	C3	35	12	28	35.208	35.9567	0.6276	101	51	18	101.855
Third adjacent channel													
Calhan, Colorado	VACANT	284	A	39	1	42	39.028	37.8669	0.6609	104	15	44	104.262
Eagle Nest, New Mexico	RM9552	284	C2	36	33	17	36.555	36.6301	0.6393	105	15	47	105.263
Raton, New Mexico	K284AC	284	D	36	40	56	36.682	36.6939	0.6404	104	24	52	104.414
Santa Fe, New Mexico	KRZY-FM	290	C	35	46	49	35.78	36.2429	0.6326	106	31	34	106.526
Image frequency													
Raton, New Mexico	KBKZ	243	A	36	59	33	36.993	36.849	0.6431	104	28	24	104.473
Las Vegas, New Mexico	NEW	244	A	35	36	16	35.604	36.155	0.631	105	15	35	105.26

Call Sign	Kilometers per degree latitude	Kilometers per degree longitude	North South distance km	East West distance km	Distance km	Required separation km	Remarks
Proposed station	110.96948	89.35588	0	0	0		Proposed Station Village coordinates
	110.97002	89.32243	6.4116	2.87817	7		
RM9508	110.97937	88.74763	115.91179	198.30165	230	226	
KZQD	110.97271	89.15724	38.00815	264.15309	267	188	
KCHQ	110.96083	89.88438	101.86821	238.56813	259	241	
KSKX	110.98884	88.16163	226.29391	87.20655	243	176	
K288CX	110.95548	90.20976	165.13874	232.69106	285	Translator	
K288EQ	110.95597	90.1799	159.31428	31.53792	162	Translator	
K288EO	110.96926	89.36938	2.58928	48.45806	49	Translator	Within 92 km contour
NEW-T	110.96783	89.45675	19.35772	150.18794	151	Translator	
K285EE	110.98576	88.35224	190.52555	113.01724	222	Translator	
RM9445	110.981	88.64695	134.96523	93.76877	164	95	
K285AD	110.96453	89.65849	58.19473	221.35685	229	Translator	
K285EN	110.96185	89.82184	89.75581	28.16913	94	Translator	Needs an interference study
K289AH	110.98605	88.33452	193.85563	121.60719	229	Translator	
KVAY	110.98281	88.53496	156.11582	80.73896	176	105	
KAEZ	110.95539	90.21513	166.18652	181.98397	246	96	
VACANT	110.99155	87.99311	257.80871	34.31731	260	95	
RM9552	110.96805	89.44311	16.73768	124.40046	126	105	
K284AC	110.96926	89.36938	2.58928	48.45806	49	Translator	Within 92 km contour
KRZY-FM	110.96076	89.88851	102.66953	238.55412	260	105	
KBKZ	110.97219	89.18951	31.84285	53.61281	62	29	
NEW	110.95911	89.98907	122.17831	124.85983	175	29	